



# Zhejiang Huda New Energy Equipment Co., LTD

## 浙江互达新能源设备有限公司

### SOLAR PUMP CONTROLLER VFD INVERTER

- Multipule input & output
- Auto switchbetween powers
- Up to 9 sets in parallel
- Zero second delay
- High voltage input
- Operation without battery or grid
- Multiple mppt built-in charger



# Solar Water Pump Inverter

## GPSI SERIESE solar pump inverter

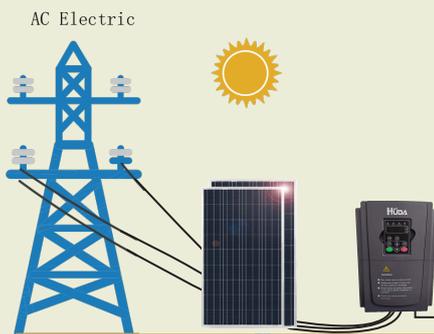
1AC 220V PUMP: 0.4~5.5KW  
3AC 220V PUMP: 0.4~11KW  
3AC 380V PUMP: 0.75~200KW

GPSI series solar pump inverter adopts MPPT (Maximum Power Point Tracking) and excellent motor drive technology to maximize the power output from solar panels. GPSI inverters are compatible with both AC and DC input, and the AC output can be used for various kinds of normal AC pumps. When the solar power is not available, or the sunshine is not strong enough to drive the pump, the inverter could be automatically switched to single phase or three phase AC input power, such as generator, grid power. GPSI solar pump inverters are equipped with overall protection function (self-checking functions for dry running, weak sunshine, full water level, etc.), motor soft start and speed control functions, with perfect function, easy operation and installation. GPSI inverters can also support remote monitoring and control function, which can monitor all operation data and fault information of the inverters.



### High-tech MPPT function, Maximize the productivity.

Compatible with solar energy and AC power input, working throughout day and night.

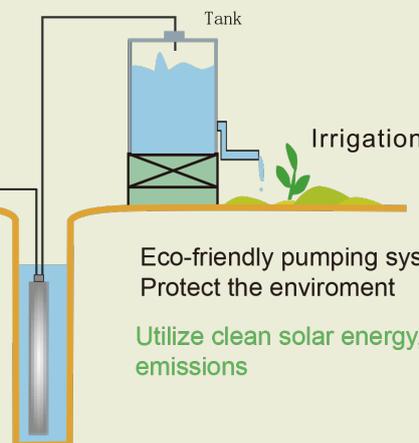


Easy installation and operation,  
Improve customer acceptance.

Simplified parameter configuration.  
friendly for all end-users.

### Multi protection functions, Enhance working life.

Embedded with pump specific functions,  
reduce operation risks and maintenance cost.



Eco-friendly pumping system.  
Protect the environment

Utilize clean solar energy, 0 CO2  
emissions

# Solar Water Pump Inverter

## Product feature

## GPSI SERIESE solar pump inverter

### Flexibility

Suitable for all kinds of pumps, including single phase 220V pump  
Compatible with all popular solar panels  
Support AC input, could switch grid power supply to make system work 24 hours

### Smartness

Built-in MPPT technology with up to 99% efficiency  
With water level detection function, automatically regulate the pump flow to prevent dry running, full water level, etc  
Self- adaptation to the motor's power rating

### Low carbon economy

### In-built MPPT with high efficiency

### Pump specific protection

### Best off grid solution and Perfect stable frequency output



### Reliability

10-year market proven experience of leading motor and pump drive technology  
Soft start feature to prevent water hammer and increase system life  
Built- in overvoltage, overload, under voltage and weak sunshine protection

### Remote Monitoring

Standard RS485 interface, support to remote monitor the system with MIC NO software on PC  
Optional GPRS module for remote monitoring  
Spots value of solar pump parameters monitoring available from anywhere  
Support the lookup of the history parameters of solar pump system

# Solar Water Pump Inverter



## Water Pump Solar Inverter Selection Guide

### Name Plate

**GSPI600 - 2R2G -S 2**

Series Name

Power Level  
1R5G:1.5kW  
0.22:2.2kW

Voltage Level  
2:220V/240V  
4:380V/440V

Phase Level

S2:1PH Input and 3ph output  
SS:1PH Input and 1ph output  
-2:3PH 220V Input and 3ph output  
-4:3PH Input and 3ph output

Series	Model	Rated output power (kw)	Rated input current (A)	Rated output current (A)
-SS2 Series Sing-phases, 220V input/output (0.4-2.2kw)	GSPI600-0R4G-SS2-PV	0.4	6.5	4.2
	GSPI600-0R7G-SS2-PV	0.75	9.3	7.2
	GSPI600-1R5G-SS2-PV	1.5	15.7	10.2
	GSPI600-2R2G-SS2-PV	2.2	24	14
-S2 Series Sing-phases 220V input (0.4-2.2kw)	GSPI600-0R4G-S2-PV	0.4	6.5	2.5
	GSPI600-0R7G-S2-PV	0.75	9.3	4.2
	GSPI600-1R5G-S2-PV	1.5	15.7	7.5
	GSPI600-2R2G-S2-PV	2.2	24	10
-2 Series Three-phases, 220V (4-7.5kw)	GSPI600-004G-2-PV	4	17	16
	GSPI600-5R5G-2-PV	5.5	25	20
	GSPI600-7R5G-2-PV	7.5	33	30

# Solar Water Pump Inverter



## Water Pump Solar Inverter Selection Guide

Series	Model	Rated output power (kw)	Rated input current (A)	Rated output current (A)
-4 Series Three-phases, 380v (0.75-200kw)	GSPI600-0R7G-4-PV	0.75	3.4	2.5
	GSPI600-1R5G-4-PV	1.5	5	4.2
	GSPI600-2R2G-4-PV	2.2	5.8	5.5
	GSPI600-004G-4-PV	4	13.5	9.5
	GSPI600-5R5G-4-PV	5.5	19.5	14
	GSPI600-7R5G-4-PV	7.5	25	18.5
	GSPI600-011G-4-PV	11	32	25
	GSPI600-015G-4-PV	15	40	32
	GSPI600-018G-4-PV	18.5	47	38
	GSP1600-022G-4-PV	22	56	45
	GSPI600-030G-4-PV	30	70	60
	GSPI600-037G-4-PV	37	80	75
	GSPI600-045G-4-PV	45	94	92
	GSPI600-055G-4-PV	55	128	115
	GSPI600-075G-4-PV	75	160	150
	GSP1600-090G-4-PV	90	190	180
	GSPI600-110G-4-PV	110	210	210
	GSPI600-132G-4-PV	132	240	250
	GSPI600-160G-4-PV	160	290	300
	GSPI600-185G-4-PV	185	330	340
GSPI600-200G-4-PV	200	370	380	



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